

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/050,249DATE: 05/26/1999
TIME: 15:58:07

INPUT SET: S32013.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: OKAMURA, Haruki
6 TANIMOTO, Tadao
7 TORIGOE, Kakuji
8 KUNIKATA, Toshio
9 TANIGUCHI, Mutsuko
10 KOHNO, Keizo
11 KURIMOTO, Masashi
12
13 (ii) TITLE OF INVENTION: IFN-BETA PRODUCTION INDUCING PROTEIN AND
14 MONOCLONAL ANTIBODY OF THE SAME
15
16 (iii) NUMBER OF SEQUENCES: 9
17
18 (iv) CORRESPONDENCE ADDRESS:
19 (A) ADDRESSEE: BROWDY AND NEIMARK
20 (B) STREET: 419 Seventh Street, N.W., Suite 300
21 (C) CITY: Washington
22 (D) STATE: D.C.
23 (E) COUNTRY: USA
24 (F) ZIP: 20004
25
26 (v) COMPUTER READABLE FORM:
27 (A) MEDIUM TYPE: Floppy disk
28 (B) COMPUTER: IBM PC compatible
29 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
30 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
31
32 (vi) CURRENT APPLICATION DATA:
33 (A) APPLICATION NUMBER: 09/050,249
34 (B) FILING DATE:
35 (C) CLASSIFICATION:
36
37 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: 08/502,535
39 (B) FILING DATE:
40
41 (vii) PRIOR APPLICATION DATA:
42 (A) APPLICATION NUMBER: JP 45057/1995
43 (B) FILING DATE: 10-FEB-1995
44
45 (viii) ATTORNEY/AGENT INFORMATION:
46 (A) NAME: BROWDY, Roger L.

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47 (B) REGISTRATION NUMBER: 25,618
48 (C) REFERENCE/DOCKET NUMBER: OKAMURA=2
49
50 (ix) TELECOMMUNICATION INFORMATION:
51 (A) TELEPHONE: 202-628-5197
52 (B) TELEFAX: 202-737-3528
53
54
55 (2) INFORMATION FOR SEQ ID NO:1:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 471 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: cDNA
64
65 (ix) FEATURE:
66 (A) NAME/KEY: CDS
67 (B) LOCATION: 1..471
68
69 (D) OTHER INFORMATION:/note= Xaa in position 70 is Met or Thr
70
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
72
73 AAC TTT GGC CGA CTT CAC TGT ACA ACC GCA GTA ATA CGG AAT ATA AAT 48
74 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
75 1 5 10 15
76
77 GAC CAA GTT CTC TTC GTT GAC AAA AGA CAG CCT GTG TTC GAG GAT ATG 96
78 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
79 20 25 30
80
81 ACT GAT ATT GAT CAA AGT GCC AGT GAA CCC CAG ACC AGA CTG ATA ATA 144
82 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
83 35 40 45
84
85 TAC ATG TAC AAA GAC AGT GAA GTA AGA GGA CTG GCT GTG ACC CTC TCT 192
86 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
87 50 55 60
88
89 GTG AAG GAT AGT AAA AYG TCT ACC CTC TCC TGT AAG AAC AAG ATC ATT 240
90 Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
91 65 70 75 80
92
93 TCC TTT GAG GAA ATG GAT CCA CCT GAA AAT ATT GAT GAT ATA CAA AGT 288
94 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
95 85 90 95
96
97 GAT CTC ATA TTC TTT CAG AAA CGT GTT CCA GGA CAC AAC AAG ATG GAG 336
98 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
99 100 105 110

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100
101   TTT GAA TCT TCA CTG TAT GAA GGA CAC TTT CTT GCT TGC CAA AAG GAA      384
102   Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
103           115                      120                      125
104
105   GAT GAT GCT TTC AAA CTC ATT CTG AAA AAA AAG GAT GAA AAT GGG GAT      432
106   Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
107           130                      135                      140
108
109   AAA TCT GTA ATG TTC ACT CTC ACT AAC TTA CAT CAA AGT      471
110   Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
111   145                      150                      155
112
113
114   (2) INFORMATION FOR SEQ ID NO:2:
115
116       (i) SEQUENCE CHARACTERISTICS:
117           (A) LENGTH: 157 amino acids
118           (B) TYPE: amino acid
119           (D) TOPOLOGY: linear
120
121       (ii) MOLECULE TYPE: protein
122
123       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
124
125   Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
126       1                      5                      10                      15
127
128   Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
129           20                      25                      30
130
131   Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
132           35                      40                      45
133
134   Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
135       50                      55                      60
136
137   Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
138       65                      70                      75                      80
139
140   Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
141           85                      90                      95
142
143   Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
144           100                      105                      110
145
146   Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
147           115                      120                      125
148
149   Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
150       130                      135                      140
151
152   Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser

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153 145 150 155

154

155 (2) INFORMATION FOR SEQ ID NO:3:

156

157 (i) SEQUENCE CHARACTERISTICS:

158 (A) LENGTH: 20 base pairs

159 (B) TYPE: nucleic acid

160 (C) STRANDEDNESS: single

161 (D) TOPOLOGY: linear

162

163 (ii) MOLECULE TYPE: other nucleic acid

164 (A) DESCRIPTION: /desc = "Oligonucleotide"

165

166

167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

168

169 ATRTCRTCTCA TRTTYTCNGG 20

170

171 (2) INFORMATION FOR SEQ ID NO:4:

172

173 (i) SEQUENCE CHARACTERISTICS:

174 (A) LENGTH: 20 base pairs

175 (B) TYPE: nucleic acid

176 (C) STRANDEDNESS: single

177 (D) TOPOLOGY: linear

178

179 (ii) MOLECULE TYPE: other nucleic acid

180 (A) DESCRIPTION: /desc = "Oligonucleotide"

181

182

183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

184

185 TTYGARGAYA TGACNGAYAT 20

186

187 (2) INFORMATION FOR SEQ ID NO:5:

188

189 (i) SEQUENCE CHARACTERISTICS:

190 (A) LENGTH: 17 base pairs

191 (B) TYPE: nucleic acid

192 (C) STRANDEDNESS: single

193 (D) TOPOLOGY: linear

194

195 (ii) MOLECULE TYPE: other nucleic acid

196 (A) DESCRIPTION: /desc = "Oligonucleotide"

197

198

199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

200

201 TTYGARGARA TGGAYCC 17

202

203 (2) INFORMATION FOR SEQ ID NO:6:

204

205 (i) SEQUENCE CHARACTERISTICS:

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206 (A) LENGTH: 26 base pairs
207 (B) TYPE: nucleic acid
208 (C) STRANDEDNESS: single
209 (D) TOPOLOGY: linear

210

211 (ii) MOLECULE TYPE: cDNA

212

213

214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

215

216 CGAGGGATCG AACTTTGGCC GACTTC

26

217

218 (2) INFORMATION FOR SEQ ID NO:7:

219

220 (i) SEQUENCE CHARACTERISTICS:

221 (A) LENGTH: 26 base pairs

222 (B) TYPE: nucleic acid

223 (C) STRANDEDNESS: single

224 (D) TOPOLOGY: linear

225

226 (ii) MOLECULE TYPE: cDNA

227

228

229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

230

231 CGAGGAATTC CTAAC TTTGA TGTAAG

26

232

233 (2) INFORMATION FOR SEQ ID NO:8:

234

235 (i) SEQUENCE CHARACTERISTICS:

236 (A) LENGTH: 42 base pairs

237 (B) TYPE: nucleic acid

238 (C) STRANDEDNESS: single

239 (D) TOPOLOGY: linear

240

241 (ii) MOLECULE TYPE: cDNA

242

243

244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

245

246 GAGGAATTCT GGAGGAAGGT ACCATGAACT TTGGCCGACT TC

42

247

248 (2) INFORMATION FOR SEQ ID NO:9:

249

250 (i) SEQUENCE CHARACTERISTICS:

251 (A) LENGTH: 26 base pairs

252 (B) TYPE: nucleic acid

253 (C) STRANDEDNESS: single

254 (D) TOPOLOGY: linear

255

256 (ii) MOLECULE TYPE: cDNA

257

258

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SEQUENCE VERIFICATION REPORT
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Line

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Original Text